

New Rapid Dome Cameras from Sony

Sony is pleased to introduce its new rapid dome cameras, the SNC-RS44 and SNC-RS46, which support H.264, MPEG-4, and JPEG compression formats. With a powerful streaming capability of 30 frames per second (fps) in D1 resolution, combined with newly developed image-enhancement technologies, these cameras dramatically enhance usability in a wide variety of lighting environments and across a broad range of applications. Plus, a total 210° tilt range and 360° endless high-speed pan capabilities allow users to view images above the horizon. This provides great installation flexibility for a number of different applications and locations.

With a host of new features and excellent performance, the SNC-RS44 and SNC-RS46 are the perfect choice, whatever your specific needs.

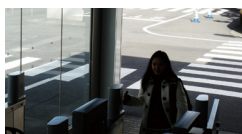


SNC-RS44N/SNC-RS44P
SNC-RS46N/SNC-RS46P

Network Rapid Dome Cameras SNC-RS44N/RS44P SNC-RS46N/RS46P

FEATURES

- **Visibility Enhancer for sharper, clearer images and a higher level of visibility**



OFF



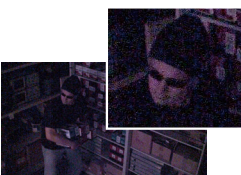
ON

(Actual images)

- **XDNR (eXcellent Dynamic Noise Reduction) for clear images without blur under low illumination**



OFF



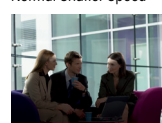
ON

(Actual images)

- **Wide-D technology to handle various lighting conditions in a scene**



Normal Shutter Speed



High Shutter Speed



With Wide-D Technology

(Simulated images)

- **Powerful and versatile zoom capability**
 - 36x optical and total zoom ratio of 432x with 12x digital zoom (SNC-RS46)
 - 18x optical and total zoom ratio of 216x with 12x digital zoom (SNC-RS44)
- **Three codecs (H.264, MPEG-4, JPEG) and triple streaming capability**
- **DEPA Advanced - Intelligent Video and Audio Analytics - trigger an alarm based on user-defined rules**
 - Intelligent Motion Detection with virtual border line function
 - Tamper Alarm
 - Advanced Audio Detection*1
- **Superior audio functions**
 - Voice alert
 - Ambient sound filter
 - Dynamic range compressor*1
 - Echo cancellation
- **Above-the-horizon tilt - 15° tilt-up, total tilt range of 210°**
- **High-speed 360° endless panning**
- **Quick-release mechanism**
- **hPoE support - compliant with IEEE802.3*2**
- **CF slot for an on-board recording*3 or wireless capability**
- **Support for IPv6**
- **ONVIF conformance**



*1 Available with version 1.1 or later

*2 Available with version 1.2 or later

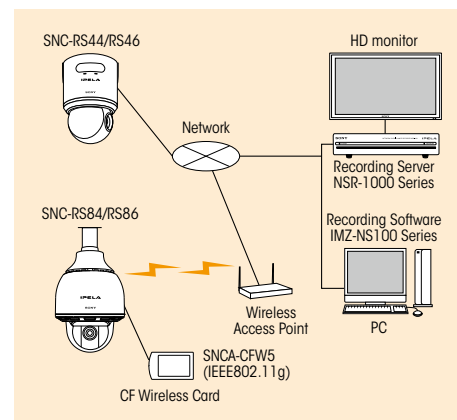
*3 Data recorded on a CF memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

SPECIFICATIONS

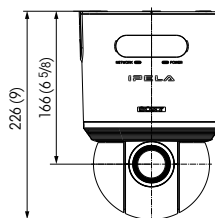
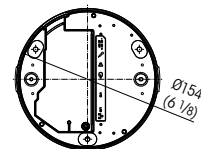
	SNC-RS44N	SNC-RS44P	SNC-RS46N	SNC-RS46P
Camera				
Image device	1/4-type CCD with Exwave HAD technology			
Minimum illumination	Day : 0.4 lx (XDRN ON VE ON Slow Shutter OFF 50 IRE IP) 0.7 lx (Slow Shutter OFF 50 IRE Analog Video Output) Night : 0.08 lx (XDRN ON VE ON Slow Shutter OFF 50 IRE IP) 0.15 lx (Slow Shutter OFF 50 IRE Analog Video Output)		Day : 0.7 lx (XDRN ON VE ON Slow Shutter OFF 50 IRE IP) 1.4 lx (Slow Shutter OFF 50 IRE Analog Video Output) Night : 0.08 lx (XDRN ON VE ON Slow Shutter OFF 50 IRE IP) 0.15 lx (Slow Shutter OFF 50 IRE Analog Video Output)	
Number of effective pixels (H x V)	380,000 (768 x 494)	440,000 (752 x 582)	380,000 (768 x 494)	440,000 (752 x 582)
Electronic shutter speed	1 to 1/10,000 s			
Auto gain control	Auto/Manual (-3 to +28 dB)			
Exposure control	Auto, Full auto, Shutter-priority, Iris-priority, Manual, EV compensation, Backlight compensation			
White balance mode	Auto, Indoor, Outdoor, One-push WB, ATW, Manual			
Lens type	Auto-focus zoom lens			
Zoom ratio	18x		36x	
Horizontal viewing angle	2.8 to 48.0 degrees		1.7 to 57.8 degrees	
Focal length	f=4.1 to 73.8 mm		f=3.4 to 122.4 mm	
F-number	F1.4 (wide), F3.0 (tele)		F1.6 (wide), F4.5 (tele)	
Minimum object distance	290 mm (11 1/2 inches) to 800 mm (31 1/2 inches) (tele)		320 mm (12 5/8 inches) to 1500 mm (59 1/8 inches) (tele)	
Pan angle	360 degrees endless rotation			
Pan speed	400 degrees/s (max.)			
Tilt angle	210 degrees (with e-flip)			
Tilt speed	400 degrees/s (max.)			
Preset position	256 position			
Tour	5 preset tours*, 4 shadow tours **16 presets per one preset tour			
Camera Features				
Day/Night *1	Yes			
Wide-D	Yes			
Image enhancement	Visibility Enhancer			
Noise reduction	XDRN			
Image				
Codec image size (H x V)	720 x 480, 640 x 480 (VGA), 384 x 288, 320 x 240 (QVGA)	720 x 576, 640 x 480 (VGA), 384 x 288, 320 x 240 (QVGA)	720 x 480, 640 x 480 (VGA), 384 x 288, 320 x 240 (QVGA)	720 x 576, 640 x 480 (VGA), 384 x 288, 320 x 240 (QVGA)
Video compression format	H.264, MPEG-4, JPEG			
Maximum frame rate	H.264/MPEG-4/JPEG: 30 fps (720 x 480)	H.264/MPEG-4/JPEG: 25 fps (720 x 576)	H.264/MPEG-4/JPEG: 30 fps (720 x 480)	H.264/MPEG-4/JPEG: 25 fps (720 x 576)
Audio				
Audio compression	G.711/G.726			
Scene Analytics				
Intelligent motion detection	Yes (with built-in Post Filter)			
Intelligent object detection	No			
Advanced audio detection	Yes*2			
Network				
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)			
ONVIF conformance	Yes			
Wireless network	Yes (with optional)*3			
Number of clients	10			
Authentication	IEEE802.1X			
Analog Video Output				
Signal system	NTSC	PAL	NTSC	PAL
Horizontal resolution	530 TVL			
S/N ratio	More than 50 dB			
Interface				
Ethernet	10BASE-T/100BASE-TX (RJ-45)			
Serial interface	RS-232C, RS-422/RS-485 (PELCO D protocol)			
Card slots	CF card x1			
Analog video output	Composite video (1Vp-p)			
Sensor input	x 4			
Alarm output	x 2			
External microphone input	Mini-jack (Monaural), MIC IN/LINE IN: 2.2k ohm, 2.45VDC plug-in power			
Audio line output	Mini-jack (Monaural), Max output level: 1 Vrms			
General				
Mass	2.0 kg (4 lb 6 oz)			
Dimensions (ø x H)	154 x 226 mm (6 1/8 x 9 inches)			
Power requirements	hPoE*4, AC 24 V, DC 12 V			
Power consumption	23 W max.			
Operating temperature	0 to 50 °C (32 to 122 °F)			
Storage temperature	-20 to +60 °C (-4 to 140 °F)			
System Requirements				
Operating system	Windows XP, Windows Vista			
Processor	CPU: Pentium4 3 GHz, Intel Core2 Duo 2 GHz or higher			
Memory	1 GB or more			
Web browser	Microsoft Internet Explorer Ver6.0 or, Ver7.0			
Supplied Accessories				
Base unit, Mounting bracket, Screws, Cables (Power input, BNC, I/O, Serial), Installation manual, CD-ROM (User's guide, SNC toolbox), Mounting template, Wire rope				

*1 Removable IR Cut Filter *2 Available with software version 1.1 or later *3 With optional SNCA-CFW5 *4 Available with software version 1.2 or later

SYSTEM CONFIGURATIONS

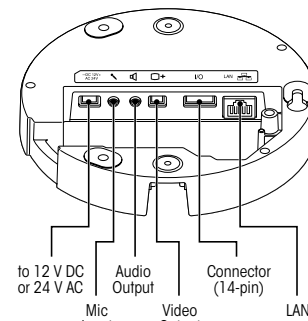


DIMENSIONS



Unit: mm (inches)

CONNECTORS



* SNC-RS44 and SNC-RS46 include software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)

Distributed by

© 2012 Sony Corporation. All rights reserved.
 Reproduction in whole or in part without written permission is prohibited.
 Features and specifications are as of version 1.1 or later and subject to change without notice.
 The values for weight and dimension are approximate.
 Sony is a registered trademark of Sony Corporation.
 IPELA is trademark of Sony Corporation.
 Windows, XP, and Vista are trademarks of Microsoft Corporation.
 Core is a trademark of Intel Corporation.
 All other trademarks are the property of their respective owners.